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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Terry D. Beard

Serial No. 09/891,941

Filed: 6-25-01

Title: MULTICHANNEL SPECTRAL MAPPING AUDIO APPARATUS AND WITH
DYNAMICALLY VARYING MAPPING COEFFICIENTSAssistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed within three months of the filing of the above referenced application or before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents are attached.

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration of relevant portions thereof by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231 on

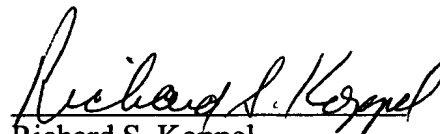
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constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

Dated: 9/4/01


Richard S. Koppel
Registration No. 26,475
Attorney for Applicant

KOPPEL & JACOBS
555 St. Charles Drive, Suite 107
Thousand Oaks, California 91360
(805) 373-0060
M/D2-115-21-099IDS-1.97(b).doc

FORM PTO-1449 (Modified)

Docket No.
115-21-099Application Number
09/891,941INFORMATION DISCLOSURE CITATION
IN AN APPLICATIONApplicant
Terry D. BeardFiling Date
6/25/01

Group Art Unit

(attach several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate
	5	3	3	3	2	0	1	7/26/94	Waller, Jr.	381	22	
	5	3	1	9	7	1	3	6/07/94	Waller, Jr.	381	22	
	3	9	5	9	5	9	0	5/25/76	Scheiber	179	1 GQ	
	3	7	4	6	7	9	2	7/17/73	Scheiber	179	1 GQ	
	5	4	5	9	7	9	0	10/17/95	Scofield et al	381	25	
	5	1	3	6	6	5	0	8/04/92	Grissinger	381	22	
	5	5	7	9	1	2	4	11/26/96	Aijala et al	386	96	
	5	4	7	1	4	1	1	11/28/95	Adams et al.	364	724.01	

FOREIGN PATENT DOCUMENTS

	Document Number							Date	Country	Class	Subclass	Translation	
												Yes	No
	JP	04	07	95	99	A	2	3/12/92	JAPAN			X	
	JP	04	22	57	00	A	2	8/14/92	JAPAN			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Dressler, "Dolby Pro Logic Surround Decoder Principles of Operation", http://www.dolby.com/htds&pl/whtppr.html , pages 1-13
2	Waller, Jr., "The Circle of Surround® Audio Surround System", Rocktron Corporation White Paper, pages 1-7.
3	O'Shaughnessy, "Speech Communication - Human and Machine", Addison-Wesley Publishing Company, 1987, pages 148-153.

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.